Sun Fire™ V210 and V240 Servers
Compliance and Safety Manual
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- “Regulatory Compliance Statements” on page 5
- “European Union Notice” on page 9
- “Canada” on page 11
Declarations of Conformity

This chapter contains the declarations of conformity for the Sun Fire V210 and V240 servers.
Declaration of Conformity

Compliance Model Number: EN30A
Product Family Name: Sun Fire V210

EMC
CEA - EMC Class A
This equipment complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
1) This equipment may not cause harmful interference,
2) This equipment must accept any interference received, including interference that may cause undesired operation.

EN/ISO 1108 Class I
This equipment complies with the following requirements of the EN/ISO 1108: 2000 Class I.

An Information Technology Equipment (ITE) Class A per (applicable):
EN 61000-3-2:2000
EN 61000-3-3:2000
EN 61000-3-3:2000
EN 61000-3-2:2000
EN 61000-3-3:2000
EN 61000-3-3:2000
EN 61000-3-3:2000
EN 61000-3-3:2000

Safety
This equipment complies with the following requirements of Low Voltage Directive 72/23/EEC.

Safety

Supplementary Information:
This equipment was tested and found to comply with the requirements for the CE Mark.
This equipment complies with the Restriction of Hazardous Substances (RoHS) Directive 2002/95/EC.
Declaration of Conformity

Manufacturer's Name: Sun Microsystems
Model Number: SunFire T200

EMC

- FCC Class A
- CE Marking (Europe)

Safety

- UL 60950-2-20:02009
- EN 60950-2-2001
- EN 60950-2-2002
- IEC 60950-1-2004

Supplementary Information

This equipment was tested and complies with all the requirements for the CE mark.

For further information, please contact:

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Regulatory Compliance Statements

Your Sun product is marked to indicate its compliance class:

- Federal Communications Commission (FCC) — USA
- Industry Canada Equipment Standard for Digital Equipment (ICES-003) — Canada
- Voluntary Control Council for Interference (VCCI) — Japan
- Bureau of Standards Metrology and Inspection (BSMI) — Taiwan
- China Compulsory Certification (CCC) Statement — China

Please read the appropriate section that corresponds to the marking on your Sun product before attempting to install the product.

FCC Class A Notice

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference.
2. This device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy, and if it is not installed and used in accordance with the instruction manual, it may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference, in which case the user will be required to correct the interference at his own expense.
**Modifications:** Any modifications made to this device that are not approved by Sun Microsystems, Inc. may void the authority granted to the user by the FCC to operate this equipment.

**ICES-003 Class A Notice - Avis NMB-003, Classe A**

This Class A digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe A est conforme à la norme NMB-003 du Canada.

**VCCI Statements**

**VCCI 基準について**

**クラス A VCCI 基準について**

クラス A VCCIの表示があるワークステーションおよびオプション製品は、クラス A情報技術装置です。これらの製品には、下記の項目が該当します。

この装置は、情報処理装置等電波障害自主規制協議会(VCCI)の基準に基づくクラスA情報技術装置です。この装置を家庭環境で使用すると電波妨害を引き起こすことがあります。この場合には使用者が適切な対策を講ずるよう要求されることがあります。

**BSMI Class A Notice**

The following statement is applicable to products shipped to Taiwan and marked as Class A on the product compliance label.
CCC Statement
警告使用者：
這是甲類的資訊產品，在居住的環境中使用時，可能會造成射頻干擾，在這種情況下，使用者會被要求採取某些適當的對策。

声明

此为 A 级产品，在生活环境中，该产品可能会造成无线电干扰。在这种情况下，可能需要用户对其干扰采取切实可行的措施。
European Union Notice

English

Products with the CE marking comply with the protection requirements of the following EU Directives:

- EMC Directive 89/336/EEC, as amended by 93/68/EEC, by application of the following harmonised standards:
  
  EN 55022:1998—Electromagnetic Interference
  EN 55024:1998—Electromagnetic Immunity

Caution – This is a Class A product. In a domestic environment, this product might cause radio interference in which case the user might be required to take adequate measures to correct this interference.

- Low Voltage Directive 73/23/EEC, as amended by 93/68/EEC, by application of the following harmonised standard:

To Ensure Compliance

The following additional components or accessories are required:
1. The system must be reliably connected to earth using the power supply socket. The system must be located close to a reliably earthed power socket.

Français

Garantie de Conformité

Les composants et accessoires suivants sont requis :
1. Des câbles blindés équipés de fiches en métal doivent être utilisés pour toutes les connexions aux raccordements d’entrée/ de sortie de l’appareil.
2. Le système doit être mis à la terre conformément aux prescriptions.

Deutsch

Sicherstellen der Konformität

Die folgenden Zubehörteile und zusätzlichen Komponenten werden benötigt
1. Für alle Verbindungen zu den Anschlüssen des Gerätes sollen abgeschirmte Kabel verwendet werden, die mit Metallsteckern ausgerüstet sind.
2. Das System muß stets vorschriftsmäßig geerdet sein.
Canada

Renseignements de compatibilité électromagnétique – Canada

Communications Canada (c’est-à-dire le DOC, Ministère des Communications) réglemente les dispositifs numériques de façon analogue aux prescriptions de la FCC (Commission fédérale des communications) aux États-Unis. Chaque produit doit être étiqueté ou livré avec une documentation spécifiant sa classe. Le DOC définit, comme le fait la FCC, l’environnement dans lequel un dispositif numérique doit être utilisé. La classe A, spécifiée par le DOC, s’applique aux zones industrielles ou commerciales, alors que la classe B s’applique aux zones résidentielles, industrielles ou commerciales.

Comme il en est le cas avec la FCC, chaque périphérique d’un système doit répondre aux spécifications de la classe B définie par le DOC afin qu’un système puisse être considéré comme faisant partie de cette classe. Si un périphérique ou un poste de travail quelconque appartient à la classe A, le système appartient alors à la classe A définie par le DOC et par conséquent ne doit pas être mis en service dans une zone résidentielle.

Au Canada il revient à l’utilisateur de s’assurer que son système est approprié pour l’environnement auquel il appartient, tel que spécifié dans le paragraphe ci-dessus.

Si des unités internes ou des barrettes de mémoire DIMM sont ajoutées à un poste de travail, la classe du DOC de la machine risque d’être affectée. Toutes les unités internes et barrettes de mémoire DIMM offertes par Sun et destinées à être utilisées sur un poste de travail Sun ont été soumises à des essais. Elles ne changeront pas la classe du DOC figurant sur le poste de travail si l’installation est conformée aux
Electromagnetic Compatibility
Information – Canada

Communications Canada (i.e., the Department of Communications) regulates digital devices similar to the FCC in the United States. Every product should be labeled or provided with documentation that states the class of the product. The DOC defines the environment in which a digital device should be used as the FCC does, DOC Class A is for an industrial or a commercial area and DOC Class B is for a residential, an industrial, or a commercial area.

As it is with the FCC, every peripheral of a system must meet DOC Class B levels in order for a system to be considered DOC Class B. If any peripheral or the system is DOC Class A, the system is DOC Class A and should not be used in a residential area.

An end-user in Canada is responsible for ensuring that his system is suitable for its environment as stated in the above paragraph.

If dual in-line memory modules (DIMMs) or internal drives are added to a system, the DOC Class of the machine could be affected. All DIMMs and internal drives offered by Sun for use in a Sun system have been tested and will not change the DOC Class labeled on the system if installed per the instructions in the Sun Installation Guide. If memory or drives are purchased from sources other than Sun, the DOC Class of the system may be adversely affected.
This part contains the following section:

- “Safety Precautions” on page 15
Safety Precautions

Read this section before beginning the installation of your Sun Fire server. The following text provides safety precautions that need to be followed during installation. For your protection, observe the following safety precautions when setting up your equipment:

- Follow all cautions and instructions marked on the equipment.
- Ensure that the voltage and frequency of your power source match the voltage and frequency inscribed on the equipment’s electrical rating label.
- Never push objects of any kind through openings in the equipment. Dangerous voltages may be present. Conductive foreign objects could produce a short circuit and cause fire, electric shock, or damage to your equipment.

This product complies with regulatory requirements for safety and EMC as documented in the Sun Microsystems online document repository of hardware documentation at: http://www.sun.com/documentation

Symbols

The following symbols may appear in this book:

**Caution** – There is risk of personal injury and equipment damage. Follow the instructions.

**Caution** – Hot surface. Avoid contact. Surfaces are hot and may cause personal injury if touched.

**Caution** – Hazardous voltages are present. To reduce the risk of electric shock and danger to personal health, follow the instructions.

**On** – Applies power to the system.

**Off** – Removes power from the system.

**Standby** – The On/Standby switch is in the standby position.

Modifications to Equipment

Do not make mechanical or electrical modifications to the equipment. Sun Microsystems is not responsible for regulatory compliance of a modified Sun product.

Placement of a Sun Product

Do not block or cover the openings of the server. Never place it near a radiator or heat register. Failure to follow these guidelines can cause overheating and affect the reliability of the server.

**Caution** – If the sytem is installed in a closed or multi-unit rack assembly, the operating ambient temperature of the rack environment may exceed the room ambient. Ensure that rack environment ambient temperature does not exceed 40 degrees Celsius.

**Caution** – Mounting of the equipment in a rack or cabinet should be such that a hazardous condition is not created due to uneven mechanical loading or weight distribution.

**Caution** – The workplace-dependent noise level defined in DIN 45 635 Part 1000 must be 70Db(A) or less.

SELV Compliance

Safety status of I/O connections comply to SELV requirements.
Power Cord Connection

Caution – Sun products are designed to work with single-phase power systems having a grounded neutral conductor. To reduce the risk of electric shock, do not plug Sun products into any other type of power system. Contact your facilities manager or a qualified electrician if you are not sure what type of power is supplied to your building.

Caution – Not all power cords have the same current ratings. Household extension cords do not have overload protection and are not meant for use with computer systems. Do not use household extension cords with your Sun product.

Caution – In order to remove all power from this unit, disconnect all power cords.

Caution – Batteries can explode if mishandled or incorrectly replaced. See the service manual for proper handling and replacement instructions. Do not dispose of the battery in a fire. Do not disassemble it or attempt to recharge it.

Caution – Ensure that the connection of multiple system units to the circuit does not overload the supply overcurrent protection or supply wiring. Consider the Sun product nameplate electrical ratings when determining the correct branch circuit rating for your installation.

Caution – The power switch of this product functions as a standby type device only. The power cord serves as the primary disconnect device for the system. Be sure to plug the power cord into a grounded power outlet that is nearby the system and is readily accessible. Do not connect the power cord when the power supply has been removed from the system chassis.

Caution – All supply connections, wiring, wire protection, and wire routing must be made in accordance with applicable sections and requirements of national electrical code and local electrical authorities.

Caution – The system ground of the server is not isolated from the chassis.

System Unit Cover

Caution – Do not operate Sun products without the top cover in place. Failure to take this precaution may result in personal injury and system damage.
Lithium Battery

**Caution** – There is a danger of explosion if the RTC cell is incorrectly replaced. Replace it only with a component of the same type as the used one (with the same part number). To replace the cell, follow any instructions supplied with the new component. Dispose of the used component according to the manufacturer’s instructions.

Laser Compliance Notice

Sun products that use laser technology comply with Class 1 laser requirements.

Nordic Lithium Battery Cautions

Norge

**ADVARSEL** – Litiumbatteri —
Eksplosionsfare ved fejlagtig håndtering. Udskiftning må kun ske med batteri af samme fabrikat og type. Levér det brugte batteri tilbage til leverandøren.

Sverige
